

Work Order ID 139922

Monday, December 14, 2015 1:49:57 PM

139922

Rev A Drawing 5.7.16/05

Page 1

Item ID: D5327-15

Accept

Revision ID: PRELIM



Item Name: Cap

Start Date: 12/14/2015 Start Qty: 1.00

Required Date: 12/14/2015 Req'd Qty: 1.00

Reference:

N900040100

Setup Start ***NS1***

Stop ***NS2***

Cust Item ID:

Customer:

Approvals:

Process Plan: MLS

Date: DEC 14 2015

QC:

Date: _____ SPC (Y/N): _____

Date: _____

Run Start ***NR1***

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr

Revision Nbr

D5327

~~AL~~ AL

Rev A 5.7.16/05

110

110

Waterjet

FLOW CNC Waterjet

FLOW WATER JET

Memo

1-Cut as per Dwg

Dwg Rev: AL

Prog Rev: AL

2-Deburr if necessary

0.00

0.00

(2)

AL 16/01/05

120

120

QC

Quality Control

QC2- Inspect parts off machine FAI/FAIB

Memo

0.00

0.00

(2)

AL 16/01/05

130

130

QC

Quality Control

QC8- Inspect parts - second check

Memo

0.00

0.00

(2)

16-01-05

DAS
9
9-89

POSITIVE RECALL

EFFECTIVE DEC 14 2015

AUTH MLS

RELEASED _____

DATE _____

R015-1016-01

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																															
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Work Order ID 139922

Monday, December 14, 2015 1:49:57 PM

139922

Page 2

Item ID: D5327-15 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: PRELIM Stop ***NS2***
Item Name: Cap
Start Date: 12/14/2015 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 12/14/2015 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
140	Identify as per dwg & Stock Location: _____	0.00							DAS
140	<i>w/o 139911</i>					<u>②</u>	<u>16-01-05</u>		<u>9</u>
Packaging	Memo	0.00							<u>9-89</u>
Packaging	*****STOCK IN BASKET CELL***** LOCATION WA004								
150	QC21- Final Inspection - Work Order Release	0.00							
150									
QC	Memo	0.00							
Quality Control									

MLJ

JAN 13 2016

POSITIVE RECALL

EFFECTIVE 15-12-14 AUTH MLJ JAN 13 2016

RELEASED 5 DATE 17/01/09

RD15-1016-01

*Rev A Drawing Attached
8.7.14.17*

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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Picklist Print

Monday, December 14, 2015 1:50:00 PM

Page 1

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139922

Parent Item: D5327-15

D5327-15

Parent Item Name: Cap

Start Date: 12/14/2015

Required Date: 12/14/2015

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP REV:A 15.10.13 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304S18GA		Purchased	No				sf	410.3000		0.001053			

M304S18GA

304/316 .050 Sheet

Dec 16/01/05

Location

Loc Qty

Loc Code

MAT020

402.6

M128435

22.9

M132797

5

M133328

214.7

M133587

160

MAT20

7.7

M131700

7.7

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

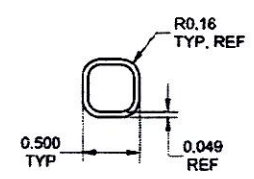
Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
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Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER :							

8 7 6 5 4 3 2 1

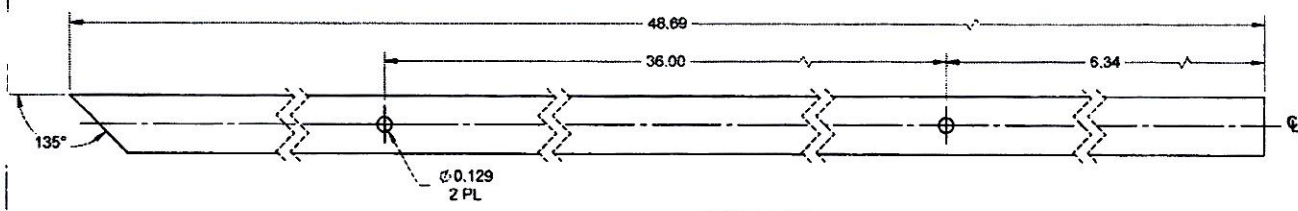
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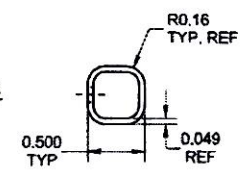
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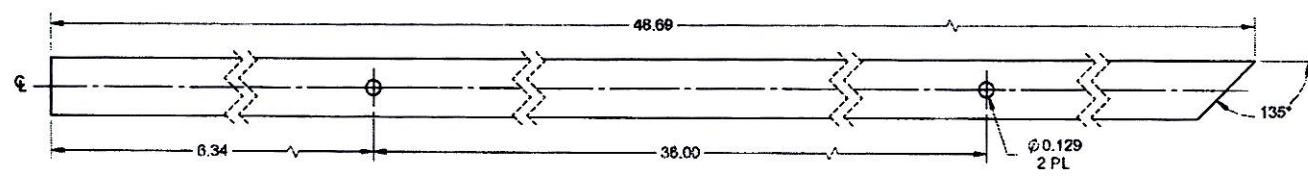
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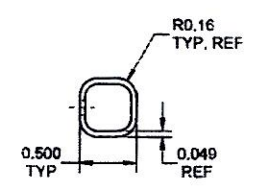
D5327-3 RIB



B



D5327-4 RIB



NOTES:

- 1) MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBE, 0.50 X 0.50 X 0.049 WALL
PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH
REF DART SPEC. M304TS0.500W.049
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT -1,-3,-4: 1.07 lbs

PRELIMINARY ISSUE

A NEW ISSUE		RF	15.08.10
REV.	DESCRIPTION	BY	DATE
DESIGN	RF		
DRAWN	RF		
CHECKED	VS		
MFG. APPR.	DD		
APPROVED			
DE APPR.			
DATE	15.08.10		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D5327** REV. A6
SHEET 1 OF 5
TITLE **RIB** SCALE NTS

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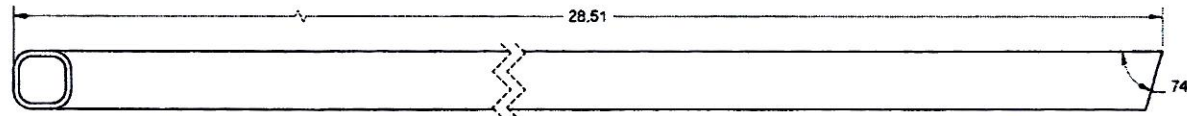
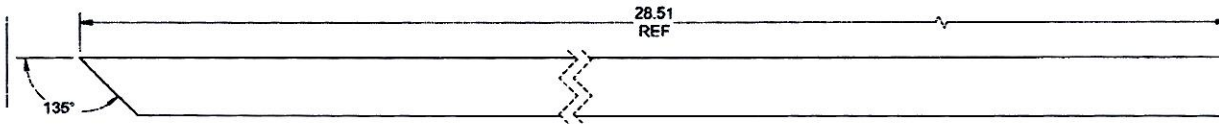
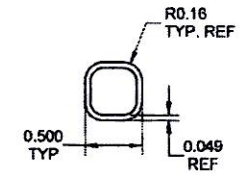
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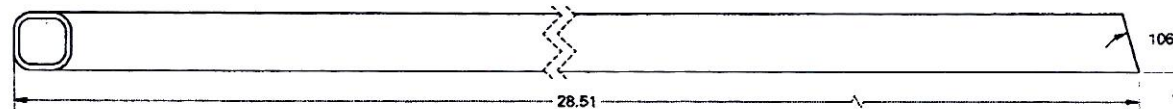
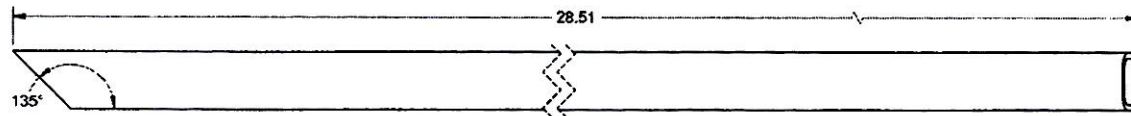
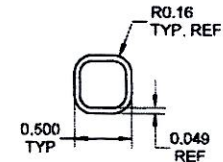
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D

**D5327-5 RIB**

C

C

**D5327-6 RIB**

B

B

NOTES:

- 1) MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBE, 0.50 X 0.50 X 0.049 WALL
PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH
REF DART SPEC. M304TS0.500W.049
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT -5, -6: 0.62 lbs

PRELIMINARY ISSUE

DESIGN	RF	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	VS	DRAWING NO.	REV. A8
MFG. APPR.	DD	D5327	SHEET 2 OF 5
APPROVED		TITLE	SCALE
DE APPR.		RIB	NTS
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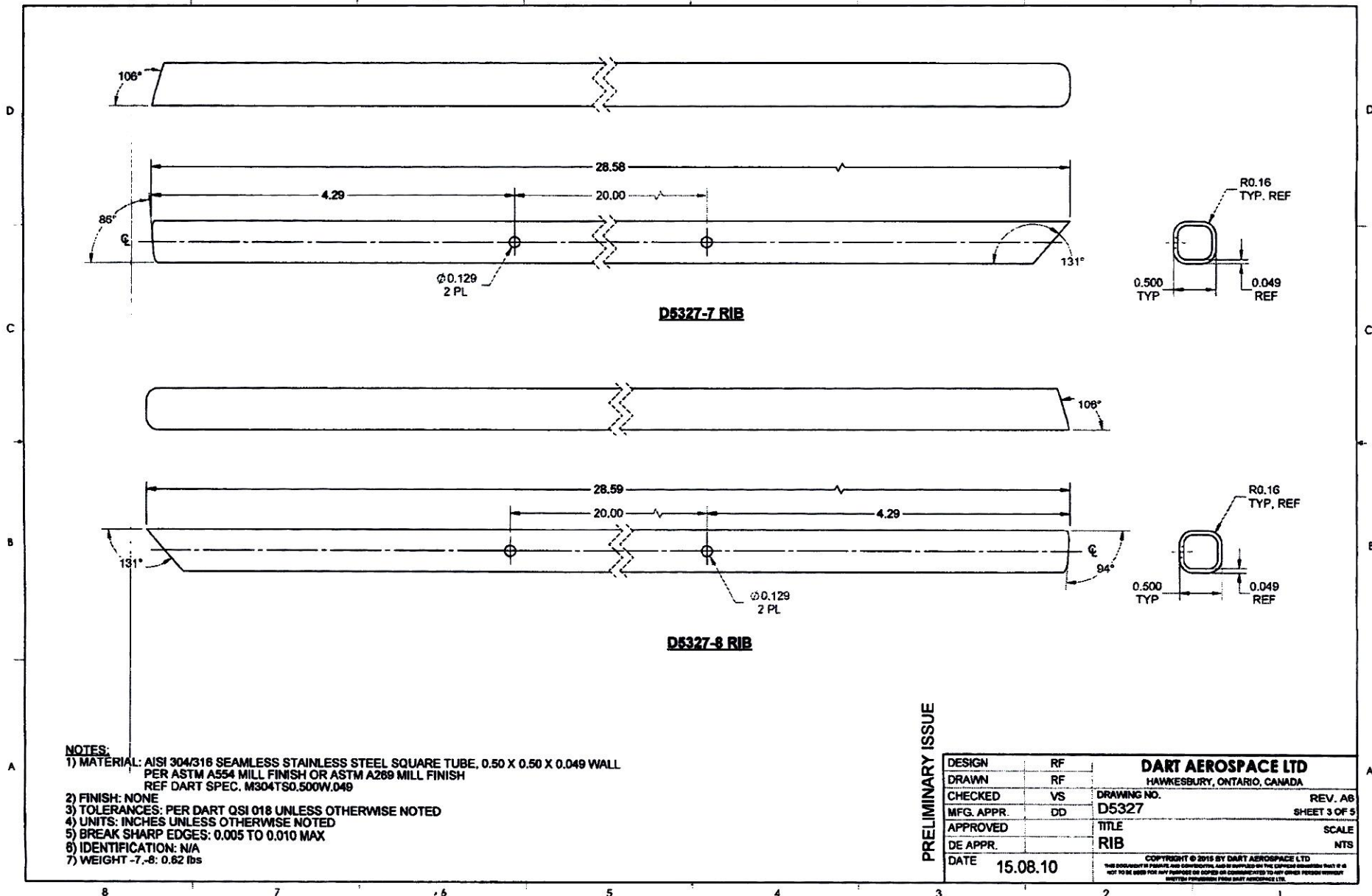
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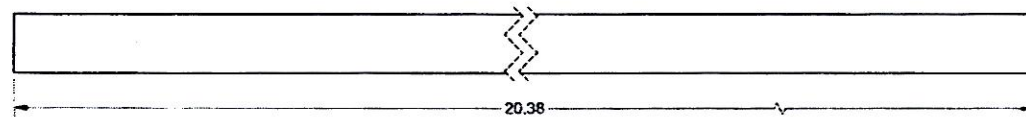
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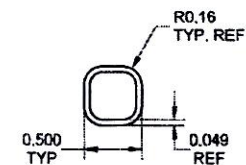
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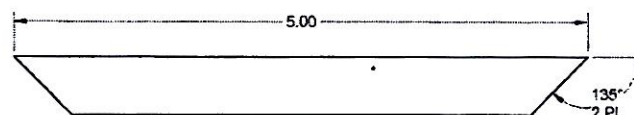
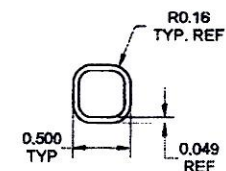
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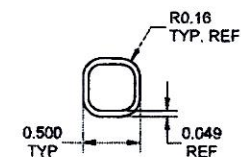
D5327-9 RIB



D5327-11 RIB



D5327-13 RIB



NOTES:

- 1) MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBE, 0.50 X 0.50 X 0.049 WALL
PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH
REF DART SPEC. M304TS0.500W.049
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT -9: 0.45 lbs
-11: 0.59 lbs
-13: 0.10 lbs

PRELIMINARY ISSUE

DESIGN	RF	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	VS	DRAWING NO.	REV. A8
MFG. APPR.	DD	D5327	SHEET 4 OF 5
APPROVED		TITLE	SCALE
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8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1

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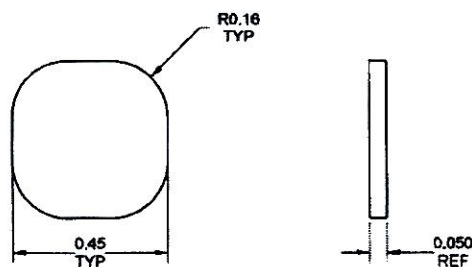
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D5327-15 CAP

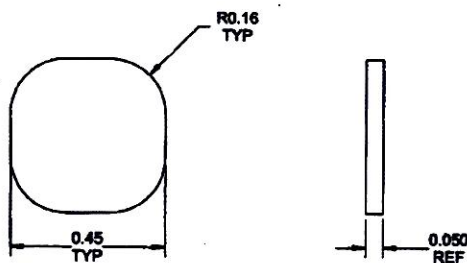
NOTES:

- 1) MATERIAL: 304/316 STAINLESS STEEL SHEET, 0.063 THICK, ANNEALED 2B FINISH,
PER MIL-S-5058 OR AMS 5513/5524 OR ASTM A240 OR ASME SA240
REF DART SPEC M304S16GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.003 lbs

PRELIMINARY ISSUE

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	VS	DRAWING NO.	REV. A6
MFG. APPR.	DD	D5327	SHEET 6 OF 6
APPROVED		TITLE	SCALE
DE APPR.		RIB	NTS
DATE	15.08.10	COPYRIGHT © 2015 BY DART AEROSPACE LTD THIS DOCUMENT IS UNCLASSIFIED AND CONTAINS NO INFORMATION OF SPECIAL INTEREST TO THE UNITED STATES GOVERNMENT UNLESS OTHERWISE PROVIDED BY DART AEROSPACE LTD.	

8 7 6 5 4 3 2 1



NOTES:

- NOTES:**
 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET, 0.050 THICK, ANNEALED 2B FINISH,
 PER MIL S-5069 OR AMS 5813/5524 OR ASTM A240 OR ASME SA240
 REF DART SPEC M304S16GA
 2) FINISH: NONE
 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 6) IDENTIFICATION: N/A
 7) WEIGHT: 0.003 lbs

RELEASED
2016-01-21
EOL 16-506

APPROVED

DESIGN	RF	DART AEROSPACE LTD HAWKESSBURY, ONTARIO, CANADA DRAWING NO. D5327 TITLE RIB COPYRIGHT © 1975 BY DART AEROSPACE LTD. THIS DOCUMENT IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE. IT IS NOT TO BE USED FOR ANY PURPOSES OR INFORMATION CONTAINED HEREIN IS NOT TO BE RELEASED WITHOUT THE WRITTEN PERMISSION OF THE DART AEROSPACE LTD.	REV. A
DRAWN	RF		SHEET 5 OF 5
CHECKED	VS		SCALE
MFG. APPR.	DD		NTS
APPROVED	HS		
DE APPR.	DS		
DATE 15.08.10			

Tuesday, July 21, 2015 10:12:26 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO29149 All Receipt Dates All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID/Vendor Name		VC-COP001	Thyssenkrupp Materials CA Ltd								
PO29149	1		M304S16GA sf		7/20/2015	7/21/2015	64.0000	\$5.00	0.0000	0	\$320.00
USD	No		304/316 Sheet .063 sf m132797		64.0000	DCUSER		\$320.00	0.0000	0	
	2		M304S24GA sf		7/20/2015	7/21/2015	32.0000	\$2.84	0.0000	0	\$90.75
	No		304/316 .025 Sheet sf m132797		32.0000	DCUSER		\$90.75	0.0000	0	
	3		M304S18GA sf		7/20/2015	7/21/2015	64.0000	\$4.00	0.0000	0	\$256.00
	No		304/316 .050 Sheet sf m132797		64.0000	DCUSER		\$256.00	0.0000	0	
	4		M6061T6B1.500X04.1 000		7/20/2015	7/21/2015	12.0000	\$17.50	0.0000	0	\$210.00
	No		6061T6 Bar 1.500 x f 4.00 m132797		12.0000	DCUSER		\$210.00	0.0000	0	
	5		M6061T6B2.000X01.5 250		7/20/2015	7/21/2015	12.0000	\$7.50	0.0000	0	\$90.00
	No		6061-T6 Bar 2.00 x f 1.25 m132797		12.0000	DCUSER		\$90.00	0.0000	0	

Total Received Quantity:	184.0000
Total Qty to Inspect (PO U/M):	0.0000
Total Reject Quantity:	0.0000
Total Receipt Value:	\$966.75
Total Balance Due Quantity:	0.0000

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-733 9033

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613 632 1053

Bill of Lading No: PEC 841947
Ship Date 17Jul15 at 16:15 From FFW
Mod III
Via VIM DELIVERY
FOB CONCORD
Prt PREPAID
Route 0- 0 Manifest
Vehc Trailer
Slp STAN IVERS (905-632-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

B I L L O F L A D I N G

1) Our Order PEC-825763- 1 Your PO # 29149
STAINLESS STEEL SHEET 304 2B

30600 Nom X 48.0000" X 96.0000"

Heat Number Tag No
(BOA005-AFD) 435089

Quantity PCS Wt LBS
64.00 SFT 2 154

2) Our Order PEC-825763- 2 Your PO # 29149
STAINLESS STEEL SHEET 304 2B

32500 Nom X 48.0000" X 96.0000"

Heat Number Tag No
(A1303883) 435007

Quantity PCS Wt LBS
32.00 SFT 1 31

3) Our Order PEC-825763- 3 Your PO # 29149
STAINLESS STEEL SHEET 304 2B

30480 Nom X 48.0000" X 96.0000"

Heat Number Tag No
(DNJ007-AAC) 435008

Quantity PCS Wt LBS
64.00 SFT 2 121

4) Our Order PEC-825763- 4 Your PO # 29149
ALUMINUM FLAT BAR 6061-T6511

1.50" x 4.00" X 144.0000"

Heat Number Tag No
(104212-2-1-A-1) 434872

Quantity PCS Wt LBS
12 FT 1 86

5) Our Order PEC-825763- 5 Your PO # 29149
ALUMINUM FLAT BAR 6061 T6511

1.250" x 2.00" X 144.0000"

Heat Number Tag No
(103621 2 1-A-1) 434873

Quantity PCS Wt LBS
12 FT 1 36

Page: 1Continued

Handwritten signature/initials

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

TOUS LES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT
ERREURS OU SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT
MARCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

Page: 2 Last

CUSTOMER PICK-UP HAS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT. *** 9:00 AM TO 4:00 PM ***
*** TEL: 800-926-2600 ***
* WE STOCK STAINLESS STEEL *
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

TOTAL 1 BDL, 2 SKIDS GW, 570 LBS

WITH TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.
ATTN: CHANTAL/LINDA
** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

Heat Number
103621 2 1-A-1
104212 2-1-A-1
A1303883
BOA005-APD
DNJ007-AAC

*** Chemical Analysis ***

TOTAL: 5 Tags 7 PCS 428 LBS

B I L L O F L A D I N G

SHIP FROM: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738 9033
SHIP TO: (1) DART AEROSPAC
DART AEROSPAC
Ship Date: 17Jul19 at 16:35 from PM
Probill
Via: VIM DELIVERY
FOB: CONCORD
Etc: PREPAID
Route: 0 - 0 Manifest
Vhic: Trailer
SIP: STAN LIVERS (905-532 1450)
Sold To: (20119)
DART AEROSPAC

805-07-24

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304-2B
0600 Nom X 48.0000" X 96.0000"
PART NO.

PO/Rel 29149

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-944947-001

17Jul15
Pg 1/1



達錫鋼鐵股份有限公司
YUEN CHANG STAINLESS STEEL CO., LTD.

檢驗證明書

MILL TEST CERTIFICATE(S)

列印日期 ISSUE DATE: 2015/09/24

DAS
14
9-89

高雄市中區中正路235號13F
13F, No. 235 Jungfeng 4th Road, Chianjin
Chi, Kaohsiung, Taiwan
TEL: 886-7-9695858 FAX: 886-7-9685768
http://www.yuenchang.com.tw

客戶名稱 Customer	Thyssenkrupp Steel Services A Division Of Thyssenkrupp Materials Na Inc 22355 West Eleven Mile Road Southfield Mi 48033 USA																					
商品描述 Desc. Of Goods	Description Of Goods And/Or Services : Prime, Cold Rolled Stainless Steel Sheets, Slitted Edge, As Per ASTM A240/A480. Thyssenkrupp Materials NA PO PEC-284559																					
項目 Item	鋼捲編號 Coil No.	爐號 Heat Number(S)	鋼種 Steel Grade	表面 Finish	產品尺寸 Thickness x Width x Length	淨重 Net Weight (KGS)																
AF009	CAAL0268-14	DNF010-ADG	304	2B	26GA x 48 x 96	1,727																
AF010	CCWR0003-18	AOA004-AAB	304	2B	20GA x 48 x 96	1,102																
AF011	CCWR0003-19	AOA004-AAB	304	2B	20GA x 48 x 96	1,104																
AF003	CATF0016-20	BOA005-AFD	304	2B	16GA x 48 x 96	1,736																
AF001	CATF0016-18	BOA005-AFD	304	2B	16GA x 48 x 120	1,086																
AF002	CATF0016-19	BOA005-AFD	304	2B	16GA x 48 x 120	1,087																
AF008	CCYL0003-54	AOA002-AAD	304	2B	14GA x 48 x 144	901																
AF006	CAR50019-13	BOB006-ABD	304	2B	12GA x 48 x 96	1,073																
化學成分 Chemical Analysis (%)																			機械性質 Mechanical Properties			
Item	C	Si	Mn	P	S	Cr	Ni	N	Cu	Mo	Others	T.S N/MM2	Y.S(0.2%) N/MM2	Elong (%)	HB	HRB	HV					
AF009	0.045	0.480	1.158	0.037	0.0022	18.055	8.010	0.042	0.043			765	300	58.0		83.5						
AF010	0.023	0.300	1.380	0.029	0.0112	18.250	8.040	0.071	0.310	0.110		651	294	57.0			160.0					
AF011	0.023	0.300	1.380	0.029	0.0112	18.250	8.040	0.071	0.310	0.110		651	294	57.0			160.0					
AF003	0.050	0.430	1.110	0.039	0.0010	18.300	8.100	0.040	0.056	0.098		686	281	56.0		83.0						
AF001	0.050	0.430	1.110	0.039	0.0010	18.300	8.100	0.040	0.056	0.098		686	281	56.0		83.0						
AF002	0.050	0.430	1.110	0.039	0.0010	18.300	8.100	0.040	0.056	0.098		686	281	56.0		83.0						
AF008	0.042	0.510	0.980	0.033	0.0020	18.190	8.040	0.058				644	280	54.9		83.5						
AF006	0.040	0.440	1.070	0.030	0.0020	18.200	8.000	0.040	0.188	0.040		650	272	56.0		83.5						
茲證明本廠所製產品，均依材料規格製造及試驗，並符合規格之要求。 We hereby certify that the products described herein have been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification. 本產品無輻射污染，並且不含汞。The material described above is free from radiation contamination and mercury. 本證明書符合EN10204/Type 3.1規格。Inspection certificate in accordance with EN10204/Type 3.1. 本廠所製產品均符合ASTM A240規格要求。All the above products conform to the requirements specified in ASTM A240. We Heroby Certifying The Material To ASTM A240/ A480 As Per EN 10204/ 3.1																						
For and on behalf of YUEN CHANG STAINLESS STEEL CO., LTD. QC Manager David Wang																						

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304-2B
0.0480 Nom X 48.0000" X 96.0000"
PART NO.

PO/Rel 29149

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by: *W*

Certificate of Mill Test Results

BL PEC-944947-003

17Jul15
Pg 1/1



運錫鋼鐵股份有限公司
YUEN CHANG STAINLESS STEEL CO., LTD.

檢驗證明書

MILL TEST CERTIFICATE(S)

列印日期 ISSUE DATE: 2014/12/24

DAS
14
9-89
1507/22

高雄市前金區中正四路235號13F
13F, No. 235 Jungjeng 4th Road, Chianjin
Chiu, Kaohsiung, Taiwan
TEL: 886-7-9695858 FAX: 886-7-9685768
http://www.yuenchang.com.tw

客戶名稱 Customer	Thyssenkrupp Steel Services A Division of Thyssenkrupp Materials NA Inc 22355 West Eleven Mile Road Southfield, MI 48033 USA																
商品描述 Desc. Of Goods	Description of Goods and/or Services: Prime, Cold Rolled Stainless Steel Sheets, Slitted Edge, As Per ASTM A240/A480 In Grade 304, No.4 Finish Prime, Cold Rolled Stainless Steel Sheets, Slitted Edge, As Per ASTM A240/A480 In Grade 304, 2B Finish																
項目 Item	鋼卷編號 Coil No.	爐號 Heat Number(s)	鋼種 Steel Grade	表面 Finish	產品尺寸 Thickness x Width x Length	淨重 Net Weight (KGS)											
AB009	CC8A0302-11	DNJ007-AAC	304	2B	0.047" x 48" x 96"	1,446											
AB005	CC3C0728-19	ANJ015-ABB	304	2B	0.059" x 48" x 96"	1,485											
AB019	CC3C0728-32	ANJ015-ABB	304	2B	0.059" x 48" x 96"	1,485											
AB002	CC3C0728-14	ANJ015-ABB	304	2B	0.059" x 48" x 120"	991											
AB003	CC3C0728-15	ANJ015-ABB	304	2B	0.059" x 48" x 120"	992											
AB010	CARQ0668-27	BNE007-ABB	304	2B	0.059" x 60" x 120"	1,452											
AB012	CCYK0271-21	ANJC14-AAF	304	2B	0.106" x 48" x 120"	1,454											
AB006	CAWB0299-09	BNG001-AAF	304	2B	0.118" x 48" x 96"	972											
化學成分 Chemical Analysis (%)												機械性質 Mechanical Properties					
Item	C	Si	Mn	P	S	Cr	Ni	N	Cu	Mo	Others	T.S N/MM2	Y.S(0.2%) N/MM2	Elong (%)	HB	HRB	HV
AB009	0.020	0.300	1.360	0.029	0.0062	18.300	8.030	0.070	0.250	0.090		633	276	58.0			161.0
AB005	0.017	0.300	1.390	0.031	0.0055	18.280	8.010	0.074	0.260	0.100		611	277	56.0			169.0
AB019	0.017	0.300	1.390	0.031	0.0055	18.280	8.010	0.074	0.260	0.100		611	277	56.0			169.0
AB002	0.017	0.300	1.390	0.031	0.0055	18.280	8.010	0.074	0.260	0.100		611	277	56.0			169.0
AB003	0.017	0.300	1.390	0.031	0.0055	18.280	8.010	0.074	0.260	0.100		611	277	56.0			169.0
AB010	0.030	0.570	1.140	0.030	0.0010	18.200	8.000	0.050	0.024			666	267	50.0		85.5	
AB012	0.047	0.470	1.010	0.034	0.0040	18.180	8.120	0.059				632	281	54.1		84.6	
AB006	0.050	0.501	1.108	0.034	0.0035	18.190	8.050					658	243	61.0			157.0
茲證明本廠所製產品，均係材料規格製造及試驗，並符合規格之要求。 We hereby certify that the products described herein have been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification. 本廠產品無污染，並且不含汞。The material described above is free from radiation contamination and mercury. 本廠產品符合EN10204/Type 3.1規格。Inspection certificate in accordance with EN10204/Type 3.1. 本廠所製產品均符合ASTM A240規範要求。All the above products conform to the requirements specified in ASTM A240. We hereby Certifying The Material To ASTM A240/A480 As Per EN 10204/3.1 Yuen Chang Materials NA INC. PEC 000401																	
																QC Manager	
																ISO 9001	
																<i>Jacky Chang</i>	

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
1.250" x 2.00" x 144.0000"
PART NO.

PO/Rel 29149

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by: 

Certificate of Mill Test Results

BL PEC-944947-005

17Jul15
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Nanshan America
Advanced Aluminum Technologies

3600 US Hwy 52 South
Lafayette, Indiana 47909
Main Office: (765) 269-4360

CERTIFIED INSPECTION REPORT FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
103621	2

BILL TO
10038 - B01-ThyssenKrupp Materials NA, Toron

MANIFEST NUMBER
7261

DIE NUMBER
1426

DATE OF SHIPMENT
5/6/2015

SHIP TO
10038 - B01-ThyssenKrupp Materials NA, Toron

CUSTOMER PO
PEC-266429

ALLOY
6061

TEMPER
T6511

SALESMAN
Scott Rarick

CUSTOMER PART NUMBER

CUSTOMER PART NUMBER
40-00717

DESCRIPTION

Flat Bar 1.250" X 2.000", Stenciled

Applicable Requirements
ASTM B221-14 AMS-QQ-A-200/8 (2012-09)
T6511 also conforms to T6 ASME SB221 -
1998 sect II

DAS
14
9-89

Mechanical Properties

Lot	Alloy	Test No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
103621 2 1-A-1	6061	15040727	04/29/15	51.1	46.4	19%		

Chemical Limits

ALLOY 6061	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Each	Total
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.05	0.25	0.15	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.15
Density:					Electrical Conductivity:				Thermal Conductivity:				Alloy Constant:							

Chemical Composition

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
1504136	6061	0.67	0.36	0.30	0.06	0.86	0.08	0.01	0.03	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.60	0.00

Nanshan America hereby certifies that the material covered by this report has been inspected in accordance with, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Mercury is not a normal contaminant in aluminum alloys. Neither mercury nor any of its compounds were utilized by Nanshan America in the manufacture of this material.

Material complies with FAR BAA (FAR 52.225-1, Buy American Act-Supplies), DFARS BAA (DFARS 252.225-7001 Buy American Act & Bal of Payments Prog), and FAR TAA (FAR 52.225-5 Trade Agreements)


Edward Vinarcik
Quality Manager

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304-2B
0.250 Nom X 48.000" X 96.000"
PART NO.

PO/Rel 29149

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-944947-002

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Signed by: 

产品质量证明书 MATERIAL TEST CERTIFICATE

无锡宝昌金属制品有限公司
Wuxi Baochang Metal Products Co., Ltd.

PAGE 2 OF 2

单 号 码: EX1309301GS
Order No.
货 方: GLOBAL STAINLESS STEEL INC.
Order
用 户 家: GLOBAL STAINLESS STEEL INC.
ONSIGNEE

品 名: STAINLESS STEEL SHEETS,
Commodity SLIT EDGE

牌 号: 304
Type
表面加工: 2B
Surface Finish

编号: EX1309301
Invoice No.
发行日期: 2013-10-26
Date

标 准: ASTM A240/A240M
Specification

ONSIGNEE		Specification										化 学 成 分								
序号 No.	货物编号 Product No.	产品尺寸			数量 Number	重量 Weight Kg	拉伸试验			表面 硬度 Hardness HRB	炉批号 HEAT NO.	Chemical Composition (%)								
		Product Size					Tensile Test					C	Si	Mn	P	S	Ni	Cr	N	
		厚度 Thickness MM	宽度 Width MM	长度 Length MM			屈服强度 0.2% YS N/mm ²	抗拉强度 TS N/mm ²	延伸率 EL %											
12	13102612	0.6096	1219.2	2438.4	118	1612	250	690	57	83	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400	
13	13102613	0.6096	1219.2	2438.4	118	1616	250	690	57	83	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400	
14	13102614	0.7620	1219.2	2438.4	88	1644	271	665	58	89.5	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400	
15	13102615	0.7620	1219.2	2438.4	87	1626	271	665	58	89.5	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400	
16	13102616	1.2192	1219.2	2438.4	54	1494	267	695	55	87	A1303987	0.0400	0.550	1.1000	0.0330	0.0010	8.0200	18.160	0.0400	
17	13102617	1.2192	1219.2	2438.4	50	1378	267	695	55	87	A1303987	0.0400	0.550	1.1000	0.0330	0.0010	8.0200	18.160	0.0400	
18	13102618	1.2192	1219.2	3048	42	1460	267	695	55	87	A1303987	0.0400	0.550	1.1000	0.0330	0.0010	8.0200	18.160	0.0400	
19	13102619	1.2192	1219.2	3048	45	1574	267	695	55	87	A1303988	0.0400	0.430	1.1300	0.0380	0.0010	8.0300	18.230	0.0300	
20	13102620	1.5240	1219.2	2438.4	43	1485	271	680	52	87	A1303988	0.0400	0.430	1.1300	0.0380	0.0010	8.0300	18.230	0.0300	
21	13102621	1.5240	1219.2	2438.4	43	1487	271	680	52	87	A1303988	0.0400	0.430	1.1300	0.0380	0.0010	8.0300	18.230	0.0300	
22	13102622	1.9050	1219.2	2438.4	40	1725	268	650	55	84	A2304006	0.0300	0.440	1.1500	0.0380	0.0010	8.1000	18.250	0.0400	
23	13102623	1.9050	1219.2	2438.4	41	1755	268	650	55	84	A2304006	0.0300	0.440	1.1500	0.0380	0.0010	8.1000	18.250	0.0400	
24	13102624	3.0480	1219.2	3048	17	1482	280	675	54	84	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400	
25	13102625	3.0480	1219.2	3048	19	1656	280	675	54	84	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400	
											技术本部									

备注 (Remarks):

1. 尺寸和表面: 合格
Size and Surface: Guaranteed

兹证明所列产品均符合订单和标准的制造要求

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN
HAS BEEN MADE IN ACCORDANCE WITH THE ORDER AND
SPECIFICATION

*此报告仅可完全复制
*The report can only be copied completely

技术本部
TECHNICAL DEPT.

无锡宝昌金属制品有限公司
WUXI BAOCHANG METAL PRODUCTS CO., LTD.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
1.50" x 4.00" X 144.0000"
PART NO:

PO/Rel 29149

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-944947-004

17Jul15

Pg 1/1



Nanshan America
Advanced Aluminum Technologies
3600 US Hwy 52 South
Lafayette, Indiana 47909
Main Office: (765) 269-4360

CERTIFIED INSPECTION REPORT FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
104212	2

BILL TO 10038 - B01-ThyssenKrupp Materials NA, Toro	MANIFEST NUMBER 8430	DIE NUMBER 1414	DATE OF SHIPMENT 6/16/2015
SHIP TO 10038 - B01-ThyssenKrupp Materials NA, Toro	CUSTOMER PO PEC-267444	ALLOY 6061	TEMPER T6511
CUSTOMER PART NUMBER 40-00675		SALESMAN Scott Rarick	
		DESCRIPTION Flat Bar 1.500" X 4.000", Stenciled	

Applicable Requirements
ASTM B221-14 AMS-QQ-A-200/8 (2012-09)
T6511 also conforms to T6 ASME SB221 -
1998 sect II

Melted in USA
Manufactured in USA

DAS
14
9-89

Mechanical Properties

Lot	Alloy	Test No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
104212 2 1-A-1	6061	15060253	06/10/15	42.4	36.6	20%		

Chemical Limits

	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Al	V	B	Zr	Bi	Pb	Sn	Sr	Co	Each	Total
ALLOY 6061																				
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.15
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.05	0.25	0.15	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Density:	Electrical Conductivity:										Thermal Conductivity:									

Chemical Composition

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Al	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
1506015	6061	0.69	0.24	0.30	0.10	0.89	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	97.62	0.00

Nanshan America hereby certifies that the material covered by this report has been inspected in accordance with, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Mercury is not a normal contaminant in aluminum alloys. All Material is ROHS Compliant. Neither mercury nor any of its compounds were utilized by Nanshan America in the manufacture of this material.

Material complies with FAR BAA (FAR 52.225-1, Buy American Act-Supplies), DFARS BAA (DFARS 252.225-7001 Buy American Act & Bal of Payments Prod), and FAR TAA (FAR 52.225-5 Trade Agreements) Temper T6511 meets T6 Requirements

Edward Vinarcik
Quality Manager



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO29149**

Purchase Order Date 7/15/2015 2:40:24 PM

PO Print Date 7/15/2015

Page Number 1 of 3

Order From : VC-COP001

THYSSENKRUPP MATERIALS CA LTD
Q/A VPK METAL
C/O T27540
PO BOX 4275 POSTAL A
TORONTO, ON M5W 5V8
CANADA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905-669-9444

Ship To Contact
Ship To Phone
Ship Via: Yours ppd
Ship Acct:

Buyer Linda Lacelle
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency USD
FOB DDP - (Delivered Duty Paid)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M304S16GA	304/316 Sheet .063	7/20/2015 Yes 7/20/2015		64.00 ✓ sf	\$5.00	\$320.00

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED

SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

Line Total: \$320.00

2	M304S24GA	304/316 .025 Sheet	7/20/2015 Yes 7/20/2015		32.00 ✓ sf	\$2.84	\$90.75
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as above

Line Total: \$90.75

615-07-21

Note:

7/15/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO29149**

Purchase Order Date 7/15/2015 2:40:24 PM

PO Print Date 7/15/2015

Page Number 2 of 3

Order From : VC-COP001

THYSSENKRUPP MATERIALS CA LTD
Q/A VPK METAL
C/O T27540
PO BOX 4275 POSTAL A
TORONTO, ON M5W 5V8
CANADA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905-669-9444

Ship To Contact
Ship To Phone
Ship Via: Yours ppd
Ship Acct:

Buyer Linda Lacelle
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency USD
FOB DDP - (Delivered Duty Paid)

3	M304S18GA	304/316 .050 Sheet	7/20/2015 Yes 7/20/2015	64.00 sf	✓	\$4.00	\$256.00
as above							

Line Total: \$256.00

4	M6061T6B1.500X04.000	6061T6 Bar 1.500 x 4.00	7/20/2015 Yes 7/20/2015	12.00 f	✓	\$17.50	\$210.00
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PURCHASE MATERIAL:
6061-T6/T6511/T6510/T6511/T62 ALUMINUM BAR
SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

Line Total: \$210.00

5	M6061T6B2.000X01.250	6061-T6 Bar 2.00 x 1.25	7/20/2015 Yes 7/20/2015	12.00 f	✓	\$7.50	\$90.00
---	----------------------	-------------------------	-------------------------------	------------	---	--------	---------

as above

Line Total: \$90.00

SP15-07-21

Note:

7/15/2015

	Dart Aerospace Ltd.
	1270 Aberdeen Street
	Hawkesbury, ON K6A 1K7
	Tel: 613 632 9577
	Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID PO29149

Purchase Order Date 7/15/2015 2:40:24 PM
PO Print Date 7/15/2015

Page Number 3 of 3

Order From : VC-COP001
 THYSSENKRUPP MATERIALS CA LTD
 Q/A VPK METAL
 C/O T27540
 PO BOX 4275 POSTAL A
 TORONTO, ON M5W 5V8
 CANADA

Ship To : DART AEROSPACE LTD
 1270 ABERDEEN
 HAWKESBURY, ON K6A 1K7
 CANADA

Contact Name
Vendor Phone 905-669-9444

Ship To Contact
Ship To Phone
Ship Via: Yours ppd
Ship Acct:

Buyer Linda Lacelle
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency USD
FOB DDP – (Delivered Duty Paid)

6	M174B0.250X4.000	17-4 SS Bar .250 X 4.00	7/20/2015	12.00	\$17.55	\$210.60
			Yes	f		
			7/20/2015			

MATERIAL: 17-4 PH SS BAR AS PER AMS 5604/5643
 GRAIN MUST BE ALONG LENGTH OF BAR
 MINIMUM YIELD TENSILE STRENGTH = 100KSI
 MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI

Line Total: \$210.60

PO Total: \$1,177.35



Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 2 **Change Date:** 7/15/2015

15Jul15 13:13 S A L E S A C K N O W L E D G M E N T No: PEC ST-825763

Sold By:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS Ord 15Jul15 Due17Jul15
Frt PREPAID Via VIM DELIVERY FOB CONCORD
Con 96294 PO/Rel 29143
Slp STAN IVERS (905-532-1350) Tel 613-632-9577 Fax 613-632-1053

=====

S A L E S A C K N O W L E D G M E N T SO No PEC ST-825763

Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice

=====

1 STAINLESS STEEL SHEET 304-2B	2 PCS	160 LBS
.0600 Nom X 48.0000" X 96.0000"		
MATERIAL	2 PCS @	160.0000 EA
ENERGY & CAP SURCHG		25.0000 LOT
		320.00
		25.00
2 STAINLESS STEEL SHEET 304-2B	1 PCS	33 LBS
.0250 Nom X 48.0000" X 96.0000"		
MATERIAL	1 PCS @	90.7500 EA
		90.75
3 STAINLESS STEEL SHEET 304-2B	2 PCS	128 LBS
.0480 Nom X 48.0000" X 96.0000"		
MATERIAL	2 PCS @	128.0000 EA
		256.00
4 ALUMINUM FLAT BAR 6061-T6511	1 PCS	84 LBS
1.50" x 4.00" X 144.0000"		12 FT
MATERIAL	12 FT @	17.5000 FT
		210.00
5 ALUMINUM FLAT BAR 6061-T6511	1 PCS	36 LBS
1.250" x 2.00" X 144.0000"		12 FT
MATERIAL	12 FT @	7.5000 FT
		90.00

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

** CUSTOMER PICK-UP HRS / 9:00 AM TO 4:00 PM **

*** TEL. 800-926-2600 ***

* WE STOCK STAINLESS STEEL!!!! *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 1 Continued

15Jul15 13:13

Sold By:

2821 LANGSTAFF ROAD

CONCORD, ONTARIO L4K 5C6

Tel: 905 669 9444 Fax: 905-738-9033

Sold To: (20115)

DART AEROSPACE

Ship To: (1)

DART AEROSPACE

DATA PRESENTATION

S A L E S A C K N O W L E D G M E N T

SO NO PEC ST-825763

Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice

*FOR OUR FULL SALES TERMS AND CONDITIONS, PLEASE

*VISIT OUR WEBSITE: www.copperandbrass.com

Order Totals: 5 Items 441 LBS

Material	Processing	Freight	Other	Taxes	ORDER AMT
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966.75

25.00

128.93

ORDER AMT

1,120.68

Taxes: ONHSTS 128.93

15Jul15 14:12 S A L E S A C K N O W L E D G M E N T No: PEC ST-825831

Sold By:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS Ord 15Jul15 Due20Jul15
Frnt PREPAID Via VIM TRANSFER FOB CONCORD
Con 96294 PO/Rel 29143
Slp STAN IVERS (905-532-1350) Tel 613-632-9577 Fax 613-632-1053

=====

S A L E S A C K N O W L E D G M E N T SO No PEC ST-825831

Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice

1 STAINLESS STEEL FLAT BAR 17-4	1 PCS	41 LBS
.250 X 4.0 X 144.0000"		12 FT
MATERIAL	12 FT @ 17.5500 FT	210.60

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

** CUSTOMER PICK-UP HRS / 9:00 AM TO 4:00 PM **

*** TEL. 800-926-2600 ***

* WE STOCK STAINLESS STEEL!!!! *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

*FOR OUR FULL SALES TERMS AND CONDITIONS, PLEASE

*VISIT OUR WEBSITE: www.copperandbrass.com

Order Totals:				1 Items	41 LBS

Material	Processing	Freight	Other	Taxes	ORDER AMT
210.60				27.38	237.98

Taxes: ONHSTS		27.38			

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M1606T16
 DATE: 15/07/22

PO / BATCH NO.: 29149/MB2797

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 1.500X4.00
 THICKNESS RECEIVED: 1.500X4.00
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	
CORRECT REF # TO LINK CERT	(Y) N	
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 14 9-09</u> DATE: <u>15/07/22</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M606/IT6
 DATE: 15/07/22

PO / BATCH NO.: 29149/1132797

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12
 QUANTITY INSPECTED: 12
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 2.00 X 1.25
 THICKNESS RECEIVED: 2.00 X 1.25
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	
CORRECT REF # TO LINK CERT	(Y) N	
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14</u> DATE: <u>15/07/22</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S24GA
 DATE: 15/07/22

PO / BATCH NO.: 29149/M132797

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 32 SA
 QUANTITY INSPECTED: 32 SA
 QUANTITY REJECTED: _____

THICKNESS ORDERED: _____
 THICKNESS RECEIVED: _____
 SHEET SIZE ORDERED: .025" X 4' X 8'
 SHEET SIZE RECEIVED: .022" X 4' X 8'

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	
CORRECT REF # TO LINK CERT	(Y) N	
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> DATE: <u>15/07/22</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S186-A
 DATE: 15/07/22

PO / BATCH NO.: 129149/M132797

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 64 sf
 QUANTITY INSPECTED: 64 sf
 QUANTITY REJECTED: _____

THICKNESS ORDERED: _____
 THICKNESS RECEIVED: _____
 SHEET SIZE ORDERED: 050"X4'X8'
 SHEET SIZE RECEIVED: 045"X4'X8'

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	
CORRECT REF # TO LINK CERT	(Y) N	
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> DATE: <u>15/07/22</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S16GA
 DATE: 15/07/22

PO / BATCH NO.: 29149/M132797

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 64'st
 QUANTITY INSPECTED: 64'st
 QUANTITY REJECTED: _____

THICKNESS ORDERED: _____
 THICKNESS RECEIVED: _____
 SHEET SIZE ORDERED: .063 X 4' X 8'
 SHEET SIZE RECEIVED: .060 X 4' X 8'

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	☒	
CORRECT FINISH	☒	N	
CORROSION	Y	☒	
CORRECT GRAIN DIRECTION	☒	N	
CORRECT MATERIAL	☒	N	
CORRECT THICKNESS	☒	N	
PHOTO REQUIRED	Y	☒	
CORRECT MATERIAL	☒	N	
CORRECT REF # TO LINK CERT	☒	N	
CORRECT MATERIAL IDENTIFICATION	☒	N	
CORRECT M# ON THE MATERIAL	☒	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	☒	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	☒	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> DATE: <u>15/07/22</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in